

COUNTY OF KAUAI
BUILDING DIVISION, DEPARTMENT OF PUBLIC WORKS
4444 RICE STREET, SUITE 175, LIHUE, HAWAII 96766

Telephone: (808) 241-6655

Fax Number: (808) 241-6806

BUILDING CODE COMMERCIAL CHECKLIST

APPLICATION NUMBER: _____, TAX MAP KEY: _____

STREET ADDRESS: _____, PROJECT: _____

APPLICANT: _____, PHONE NO: _____

MAILING ADDRESS: _____, FAX NO: _____

_____, E-MAIL: _____

PLAN MAKER/
ARCHITECT: _____, PHONE NO: _____

MAILING ADDRESS: _____, FAX NO: _____

_____, E-MAIL: _____

BUILDING CODE SEARCH 1997 UBC

Occupancy
Group: (Chapter 3): _____, Type of
Construction: (Chapter 6): _____

ALLOWABLE FLOOR AREA: (Sections 504, 505)

1. Basic Floor Area (Table 5-b): _____ S. F.
2. Increase for Multi-Story (Section 505): _____ S. F.
 - a. Twice area allowed for 1-story: _____ S. F.
 - b. Sub Total: _____ S. F.
3. Increase where yard more than 20 feet wide is provided
(Section 505). Circle one below if applicable.
 - a. Separation 2 sides: 1¼ per cent each foot over 20 feet
(50% maximum)
 - b. Separation 3 sides: 2½ per cent each foot over 20 feet
(100% maximum)
 - c. Separation all sides: 5% (per cent) each foot over 20 feet
(100% maximum): _____ S. F.
4. Increase for Fire Sprinkler System (Section 505).
Circle one below if applicable.
 - a. Tripled for 1-story
 - b. Double for multi-story buildings: _____ S. F.
5. Total Allowable Floor Area: _____ S. F.
6. Total Actual Floor Area of Building (s): _____ S. F.
7. Will Unlimited Area Provisions be used? Yes: _____ No: _____

8. Any future floor area expansion? Yes: _____ No: _____

ALLOWABLE HEIGHT AND NUMBER OF STORIES:

1. Height limited by Type of Construction (Table No. 5-B): _____ FT.
2. Maximum height in stories (Table No. 5-B) _____ ST.
3. Increase one story if fire sprinklers are used and not required by code (Section 506). _____ ST.
4. Total Number of Stories: _____ ST.

LOCATION ON PROPERTY: Check appropriate answer for compliance.

1. To determine wall and opening protection requirements, property line shall be established (Section 503).
2. Projections beyond the exterior walls shall not extend beyond:
 - a. One-Third the distance to the property line (Section 503, See also Section 705).
Yes: _____ No: _____
 - b. More than 12 inches into area where openings are prohibited (Section 503).
Yes: _____ No: _____
3. Eaves overhangs and similar architectural projection should comply with Section 705.
Yes: _____ No: _____
4. Exterior exit balconies should not project into yards where openings are not permitted or protection of openings are required. Yes: _____ No: _____
5. Exterior stairs should not project into yard where openings are not permitted or protection of openings is required. Yes: _____ No: _____

REQUIRED SEPARATION:

1. Area Separation Wall (Section 504.6). _____ HR.
2. Separation Walls/Common Walls (Section 601.5) _____ HR.
3. Mixed Occupancy Separation (Table No. 3-B) _____ HR.
4. Attic Separation (Section 708.3.1.2 & 1505)
 - a. Unsprinklered every 3,000 s.f. _____
 - b. Sprinklered every 9,000 s.f. _____Actual maximum attic area: _____ S.F.
5. Fire blocks and draft stops (Section 708). Circle location of required stops if applicable.
 - a. Walls b. Ceilings c. Floors
 - d. Floor/Ceiling Systems e. Roofs
 - f. Roof/Ceiling Systems g. Others
6. Other special separations if required: _____

Others (con't.): _____

FIRE RESISTIVE CONSTRUCTION REQUIREMENTS: (Table No. 5-A, Table No. 6-A)

Provide Fire-Resistive Rating Report(s)/Design Number (Chapter 6 & 7)

Exterior Bearing Walls: (Section: 503.2, 709)	_____	Exterior Non-Bearing Walls: (Section: 503.2 & 709)	_____
Vertical Openings: (Section: 711)	_____	Floors: (Section: 302, 709)	_____
Roof: (Section: 710, Chapter 15)	_____	Interior Bearing Walls: (Section: 709)	_____
Exterior Door/Window: (Section: 713)	_____	Structural Frame: (Section: 703)	_____
Permanent Partitions: (Section: 709)	_____	Inner Court Walls: (Section: 503.3, 1203.4)	_____
Shafts: (Section: 711)	_____		

EXTERIOR OPENINGS PROTECTION: Required: _____ Not Required: _____

- For Types I and II Construction (Section 503, 602.3, 603.3, Table No. 5-A & 6-A).
- For Types III and IV Construction (Section 503, 604.3, 605.3, Table No. 5A & 6-A)).
- For Type V Construction (Section 503, 606.3, Table No. 5-A & 6-A).
- The sum of the area of protection openings shall not exceed 50% of wall in each story (Section 503.2).

OCCUPANT LOADS: Determine the occupant loads and all portions of a building shall be presumed to be occupied at the same time (Section 1003, Table No. 10-A).

Room (Occupancy)	Area (S.F.)	Square Feet Per Person	Number of Person	Number of Exit Required

TOTAL OCCUPANT LOAD: _____

EXIT REQUIREMENTS

- | | | |
|----|---|--------------------|
| 1. | Number of exits required (Section 1003). | _____ |
| | | Required Exit(s) |
| 2. | Total width of exits shall not be less than the total occupant load determined and multiplying the factor set forth in Table 10-B. (Section 1003.2.3). | _____ |
| | | Required Width |
| 3. | Arrangement of exits. If 2 exits are required, they shall have a minimum separation of one-half the maximum overall diagonal dimension of the building or area served measured in a straight line between exits (Section 1004.2.4). | _____ |
| | | Diagonal Dimension |

4. Travel distance to exits (Section 1004.2.5).
 - a. _____ Unsprinklered building: Maximum 200 feet to exit.
 - b. _____ Sprinklered building: Maximum 250 feet to exit.
 - c. _____ Maximum of 250 feet, when last 100 feet is within corridor.

5. Access to exits (Section 1004.2.6), dead end corridors shall not exceed 20 feet in length.

6. Exits through adjoining rooms (Section 1004.2.2).

Check answer for compliance: Yes: _____ No: _____

 - a. Room shall not exit through more than one adjoining room.
 - b. Room shall not have more than one of its required exits through an adjoining or intervening room.
 - c. Exits from room shall not pass through kitchens, store rooms, restrooms, closet or space used for similar purposes.

7. Corridors minimum widths (Section 1004.3.4)
 - a. 44 inches minimum width serving occupant load of 50 or more. Yes: _____ No: _____
 - b. 36 inches minimum width serving occupant load of 49 or less. Yes: _____ No: _____

EXCEPTION: 1. Handrails and doors shall not project more than 7 inches into the required corridor width when fully opened or more than one-half the required width when fully open (Section 1004.3.4).

 2. Nonstructural projections and decorative features may project 1½ inches into required width on each side (Section 1004.3.4).

8. Exit Doors (Section 1003.3.1).
 - a. Shall swing in the direction of exit travel serving any hazardous area or an occupant load of 50 or more.
 Yes: _____ No: _____
 - b. Double-acting doors shall not be used as exits serving and occupant load of more than 100, door is part of a fire assembly, door is part of a smoke-and-draft control assembly or panic hardware is required.
 Yes: _____ No: _____
 - c. Double-acting doors shall have a view panel of not less 200 square inches.
 Yes: _____ No: _____
 - d. Exit doors shall be openable from the inside without the use of a key, any special knowledge or effort.
 Yes: _____ No: _____
 - e. Required minimum of an exit doors shall be of a 3-feet by 6-feet 8 inches door with a minimum clear width of 32 inches is provided.
 Yes: _____ No: _____
 - f. Exit door leaf width should not exceed 4 feet.
 Yes: _____ No: _____

9. Exit Illumination shall comply with Section 1003.2.9.
 - a. Exit illumination required.
 Yes: _____ No: _____
 - b. Illumination of exit sign required.
 Yes: _____ No: _____
 - c. Stairway enclosure illumination.
 Yes: _____ No: _____

10. Exit signs shall be provided in conformance with Section 1003.2.8.

- a. Exit signs required.
Yes: _____ No: _____
- b. Illumination of exit signs required.
Yes: _____ No: _____
- c. Separate source of power required.
Yes: _____ No: _____

MEZZANINE FLOOR: (Section 214, 504.4, 507)

Maximum allowable area is $\frac{1}{3}$ the area of the room in which is it located.

Yes: _____ No: _____

GUARDRAILS:

Guardrails for stair, balconies, landings and openings should conform to Section 509.

Height: 3'-0" _____ 3'-6" _____
 Spacing: 4" o. c. _____ 6½" _____ 12" o. c. _____

STAIRWAYS: (Section 1003.3.3)

1. Minimum width of 44 inches for occupant load of 50 or more: _____.
 Minimum width of 36 inches for occupant load of 49 or less: _____.
2. Handrail should not project more than 3½ inches into each side of the required width.
 Specify actual projection: _____ inches.
3. Risers not less than 4 inches nor more than 7 inches or 8 inches and runs should not be less than 11 inches or 9 inches.
 Maximum 7 inches risers, minimum 11 inches runners: _____.
 Maximum 8 inches risers, minimum 9 inches runners: _____.
4. Stairway landing should not be less than the required width of the stairway, but not exceed 44 inches when the stair has a straight run.
 Actual landing dimension: _____ inches.
5. Handrails required on both sides of a stairway if the width of the stairs is more than 44 inches.
 Actual width of stairway: _____ inches.
6. Top of handrails shall be placed not less than 34 inches or more than 38 inches above the nosing of treads.
 Actual height of handrailing: _____ inches.
7. Handrailing projecting from a wall shall have a space not less than 1½ inches between the wall and handrail.
 Actual dimensional clearance: _____ inches.
8. Handgrip portion of handrail shall have a cross-sectional dimension or shape of not less than 1¼ inches nor more than 2 inches. Handgrip shall have a smooth surface with no sharp corners.
 Actual cross-sectional dimensional: _____ inches.
9. At least one handrail shall extend at least 6 inches beyond the top and bottom risers and returned or terminated in newel post of safety terminal.
10. Headroom clearance for stairway shall be not less than 6 feet 8 inches. Headroom dimension should be specified on plans.
 Specified on plans: Yes: _____ No: _____

* * * * *

GENERAL CHECK LIST OF OTHER REQUIREMENTS

* * * * *

BUILDING CODE:

1. Architectural or structural stamp and certification (Section 106.3.2).
Required: _____ Not Required: _____
2. Energy Conservation compliance certifications (Article 6 of Chapter 12, Building Code, KCC 1987 as amended).
Building: _____ Electrical: _____ Plumbing: _____

ELECTRICAL CODE:

1. Requirements for electrical plans. The following should be provided on electrical plans.
 - a. Overhead Service: _____ Underground Service: _____
 - b. Symbols and abbreviations as applicable: Yes: _____ No: _____
 - c. One-line distribution diagram: Yes: _____ No: _____
 - d. Floor plan with circuit numbering: Yes: _____ No: _____
 - e. Branch circuit panel location: Yes: _____ No: _____
 - f. Panel schedule with total calculated load: Yes: _____ No: _____
 - g. Service equipment elevation and location: Yes: _____ No: _____
 - h. Electrical engineer stamp and certification required
for total load exceeds 35 K.V. A. Yes: _____ No: _____
 - i. Lighting efficiency standard for energy
conservation certification: Yes: _____ No: _____

PLUMBING CODE:

1. Requirements for mechanical plans. The following information should be provided on mechanical plans.
 - a. Plumbing floor plan drawings. Yes: _____ No: _____
 - b. Sanitary piping isometric diagram. Yes: _____ No: _____
 - c. Water piping isometric diagram. Yes: _____ No: _____
 - d. Available water pressure at meter. Yes: _____ No: _____
 - e. HAVE system and equipment energy
conservation certification: Yes: _____ No: _____

OTHER DATA:

1. Other data or additional information may be required by the Building Official to complete the review and processing of the permit application.

Submitted By:	Telephone:	Fax Number
Mailing Address:	Date:	
E-Mail Address:		